Claims:

1 – 29. canceled.

30. (original): A method of monitoring a content item which is to be broadcast through a broadcasting network, the content item to be identified by a fingerprint of the content derived from the content itself, said method comprising:

maintaining a limited list of content items, the list consisting of those content items that are to be broadcast by the broadcasting network during a predetermined time period, the limited list of content items being respectively associated with one or more fingerprints derived from the content items themselves;

deriving a fingerprint from a content item monitored from the broadcast network; and

interrogating the limited list of content items with the fingerprint to identify the monitored content item.

31. (original): A method of authenticating video comprising at least a first frame and a second frame, said method comprising:

determining a time stamp associated with the video; and

providing a digital signature of the video, wherein the digital signature comprises data corresponding to at least a portion of the first frame and data corresponding to at least a portion of the second frame, said digital signature further comprising data corresponding to the time stamp.

32. (original): The method of claim 31, further comprising providing geo-location information associated with the video, wherein the digital signature further comprises data corresponding to the geo-location information.

33. (original): The method of claim 31, wherein the first frame and the second frame are adjacent frames.

34. (original): The method of claim 31, wherein the digital signature is carried via a reversible digital watermark.

35. (original): The method of claim 31, wherein the digital signature is carried via a file header.

36. (previously presented): A method of monitoring a content item which is to be transmitted through a network, the content item to be identified by a fingerprint of the content derived from the content itself, said method comprising:

maintaining a list of content items, the list consisting of those content items that are to be transmitted through the network during a predetermined time period, the list of content items being respectively associated with one or more fingerprints derived from the content items themselves;

deriving a fingerprint from a content item monitored from the network; and

interrogating the list of content items with a derived fingerprint to identify the monitored content item.

37. (previously presented): A computer readable medium comprising instructions to perform the method of claim 36.

38. (previously presented): A method comprising:

receiving a list of content items, the list consisting of those content items that are to be transmitted through the network during a predetermined time period, the list of content items being respectively associated with one or more fingerprints derived from the content items themselves;

storing the list of content items in a table or data structure;

receiving a content item, the content item comprising audio or video;

deriving a fingerprint from the content item itself;

interrogating the list of content items with the derived fingerprint to identify the content item;

communicating a signal representing at least the identified content item to a remote device.

39. (previously presented): A computer readable medium comprising instructions to perform the method of claim 38.